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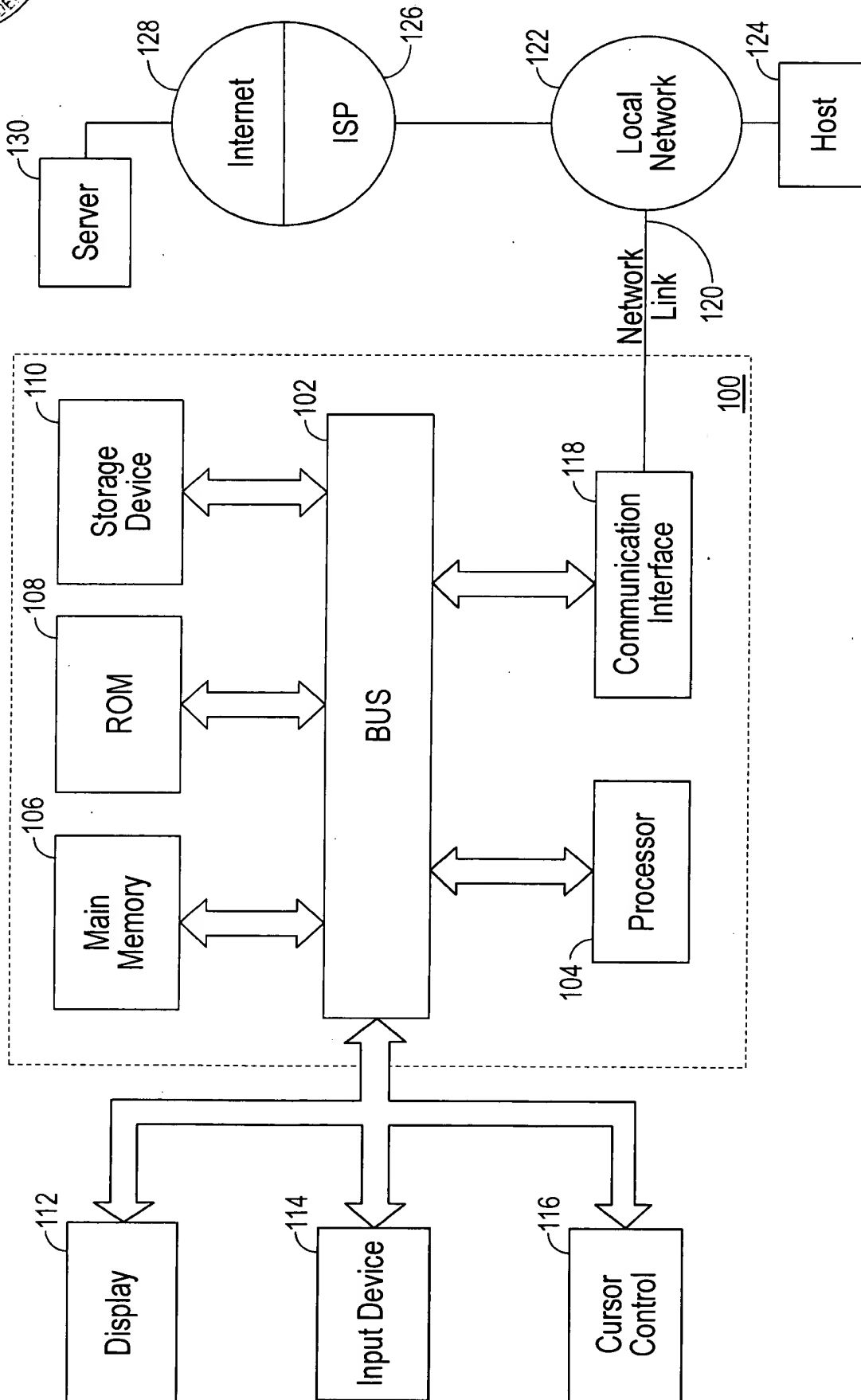
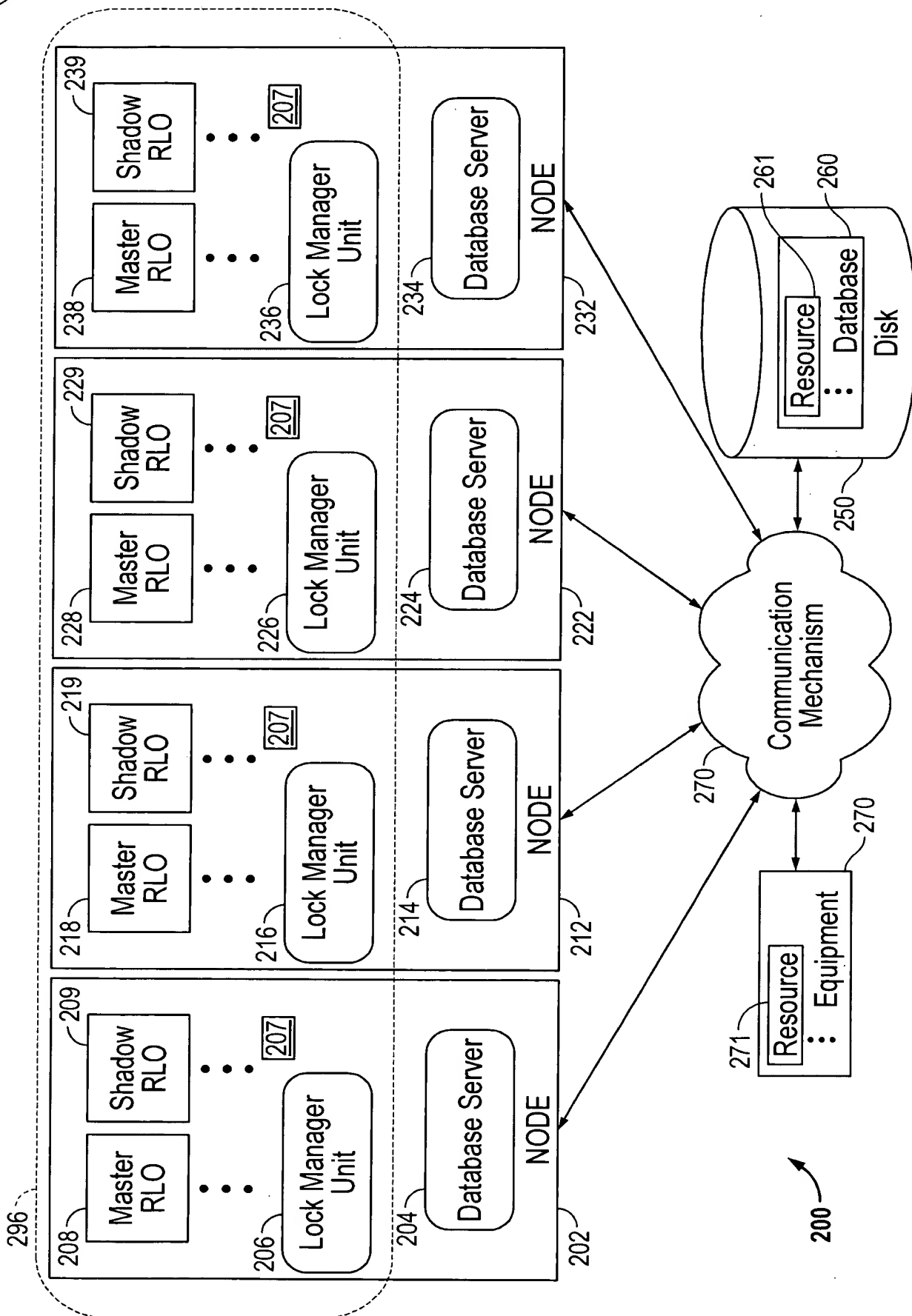


FIG.1

APPROVED C.G. FIG.  
CLASS SUBCLASS  
BY  
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APPROVED O.G. FIG.  
BY CLASS/SUBCLASS  
DRAFTSMAN

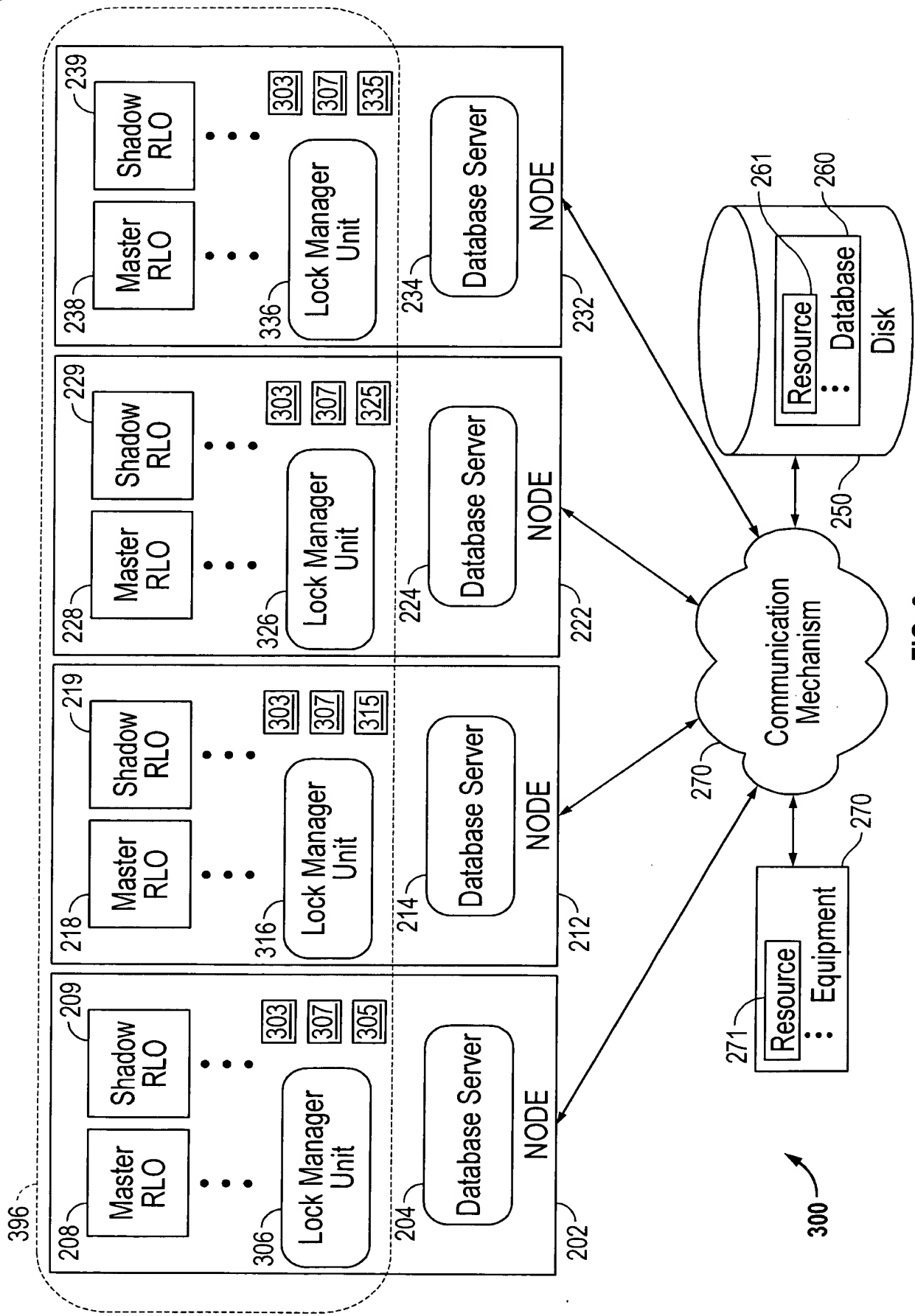
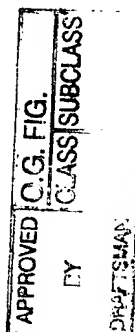


FIG. 3



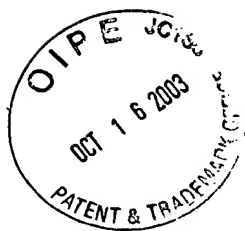
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303

492 ↓	494 ↓	
Hash Value Range	Master Node	
0-9	202	← 401
10-19	212	← 402
20-29	222	← 403
30-39	232	← 404
40-49	202	← 405
50-59	212	← 406
60-69	222	← 407
70-79	232	← 408
80-89	202	← 409
90-99	212	← 410
100-109	222	← 411
110-119	232	← 412
⋮	⋮	

FIG. 4A



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303' →

494' ↓	492' ↓	
Master Node	Hash Value Ranges	
202	0-9,40-49,80-89, ...	← 421
212	10-19,50-59,90-99, ...	← 422
222	20-29,60-69,100-109, ...	← 423
232	30-39,70-79,110-119, ...	← 424

FIG. 4B

307 →

592 ↓	594 ↓	
Actual Node	Weight	
202	-1	← 501
212	0	← 502
222	2	← 503
232	1	← 504
Node E	4	← 505
Node F	1	← 506
Node G	0	← 507
Node H	-1	← 508
⋮	⋮	

FIG. 5



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APPROVED C.G. FIG.  
 BY CLASS/SUBCLASS  
 DWT/SMAS

Hash Value Range	Node 202	Node 212	Node 222	...
0-9	10	10	0	← 601
10-19	0	1	5	← 602
20-29	2	5	1	← 603
30-39	100	10	2	← 604
40-49	0	0	1	← 605
50-59	1	0	1	← 606
60-69	100	100	1	← 607
70-79	30	30	0	← 608
80-89	0	0	0	← 609
90-99	0	0	0	← 610
100-109	0	0	0	← 611
110-119	0	0	0	← 612
	⋮	⋮	⋮	

FIG. 6



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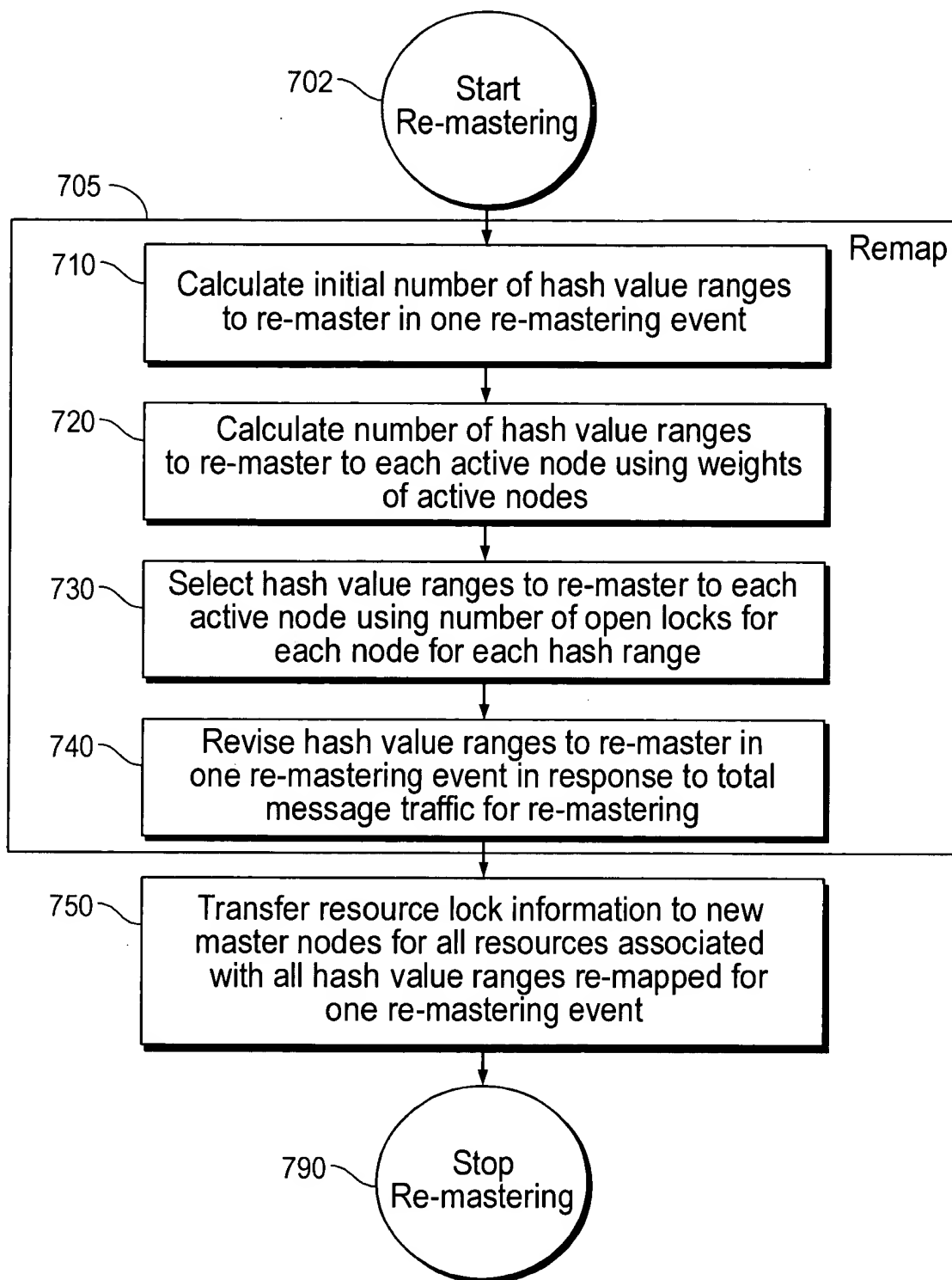


FIG. 7A

APPROVED O.G. FIG.  
CLASS SUBCLASS  
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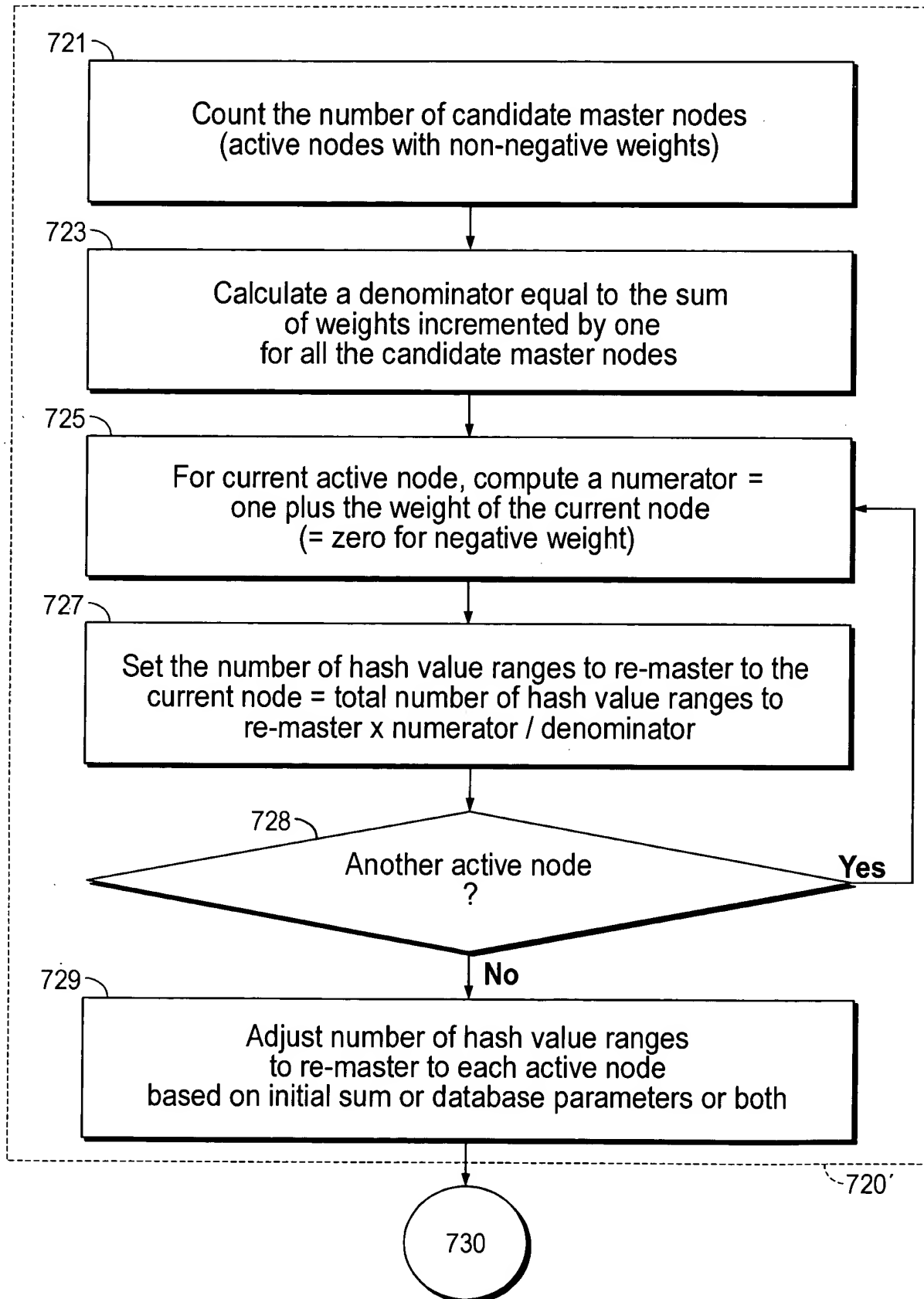


FIG. 7B



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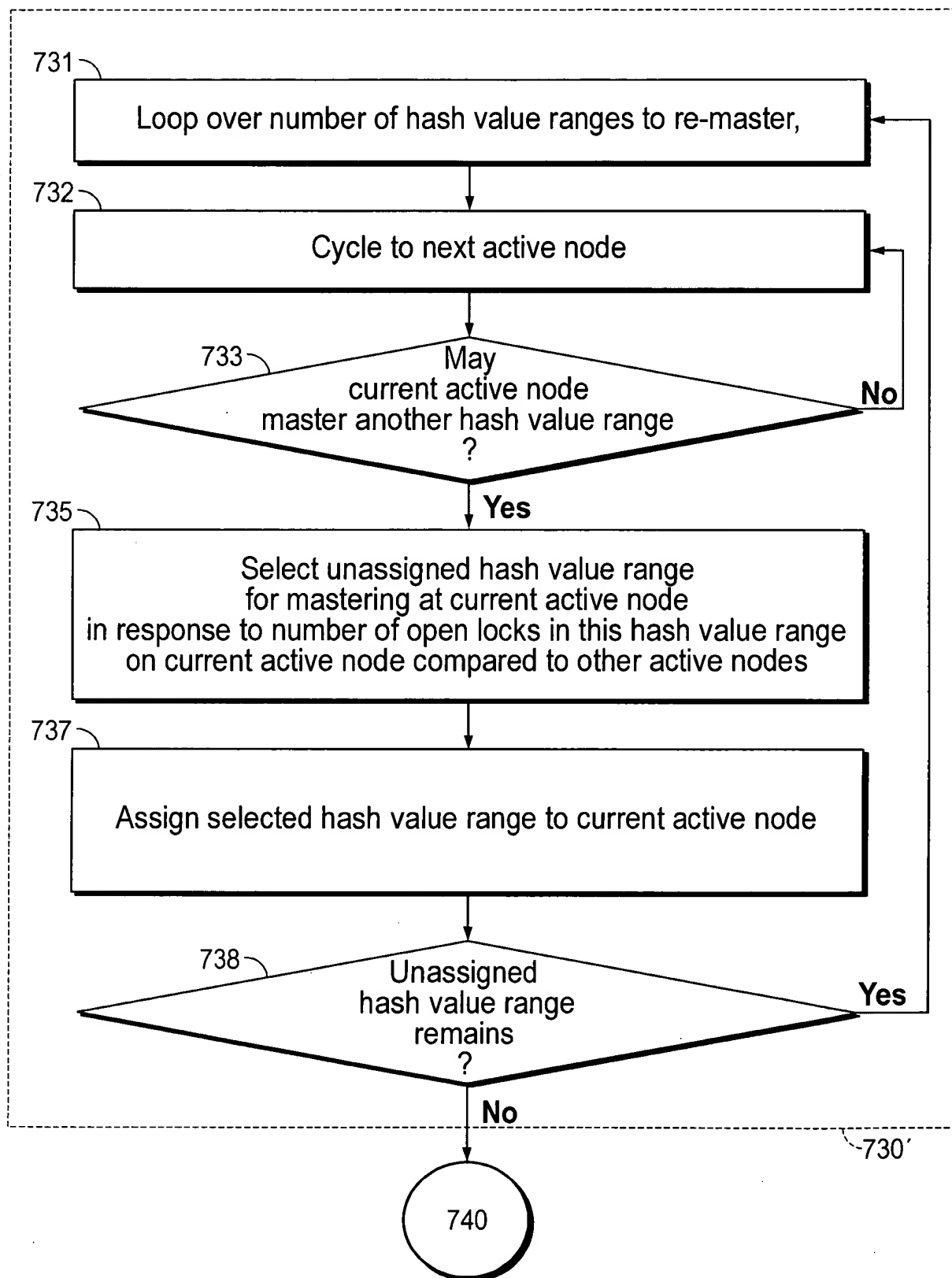


FIG. 7C



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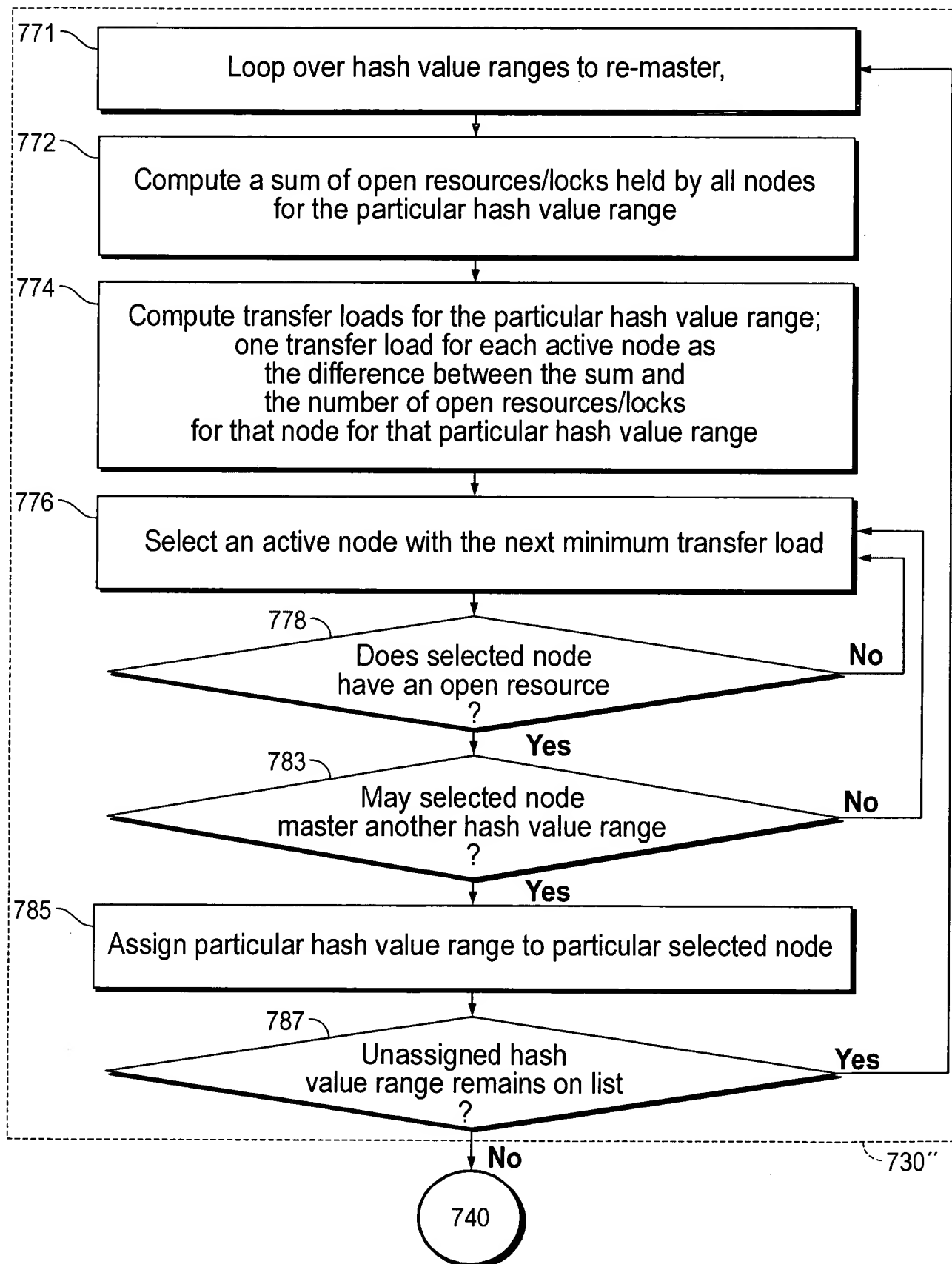
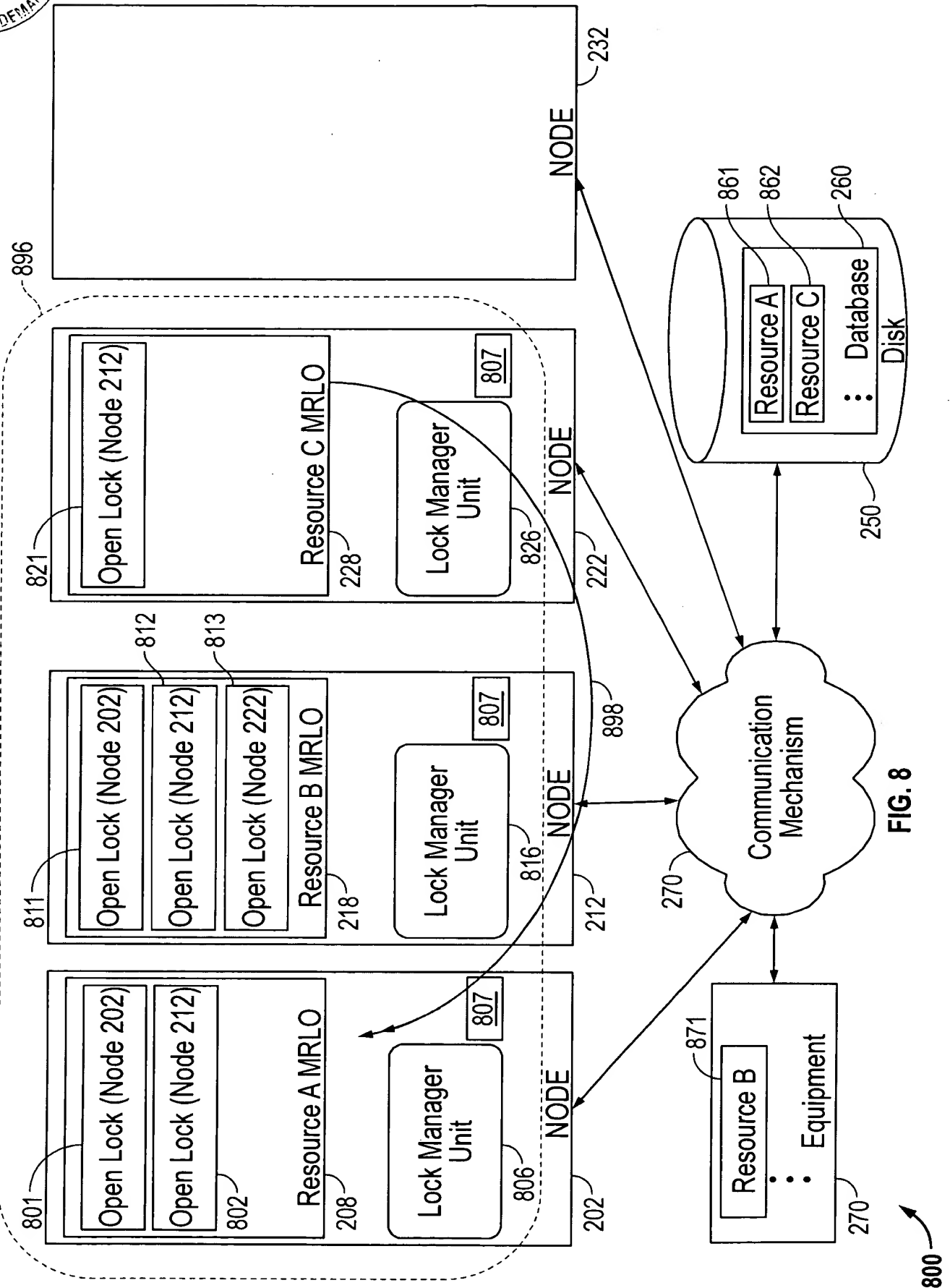
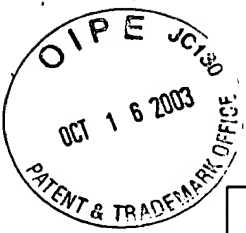


FIG. 7D

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APPROVED O.G. FIG.  
 BY CLASS/SUBCLASS





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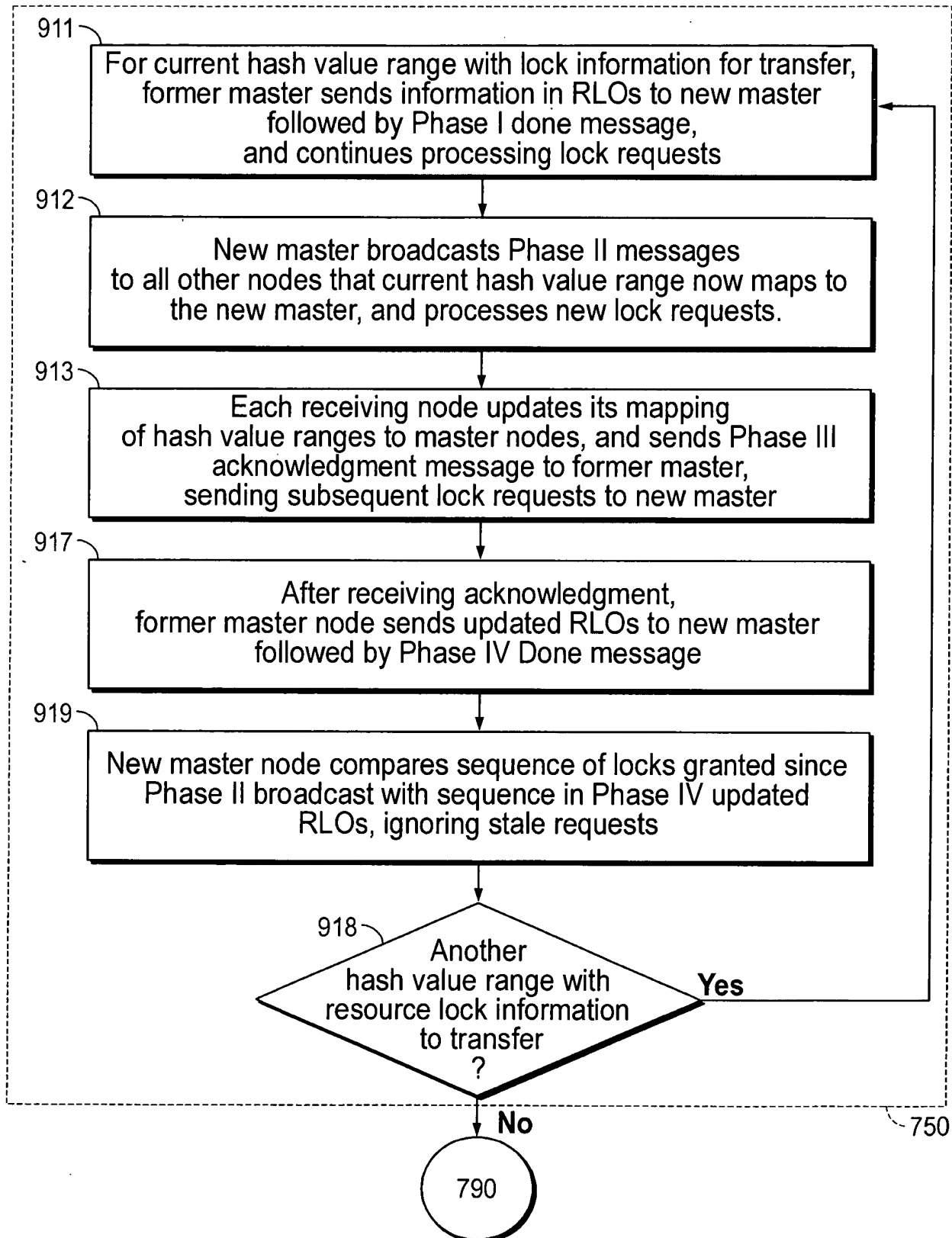


FIG. 9



APPROVED C.G. FIG.  
 CLASS/SUBCLASS  
 DRAFTSMAN

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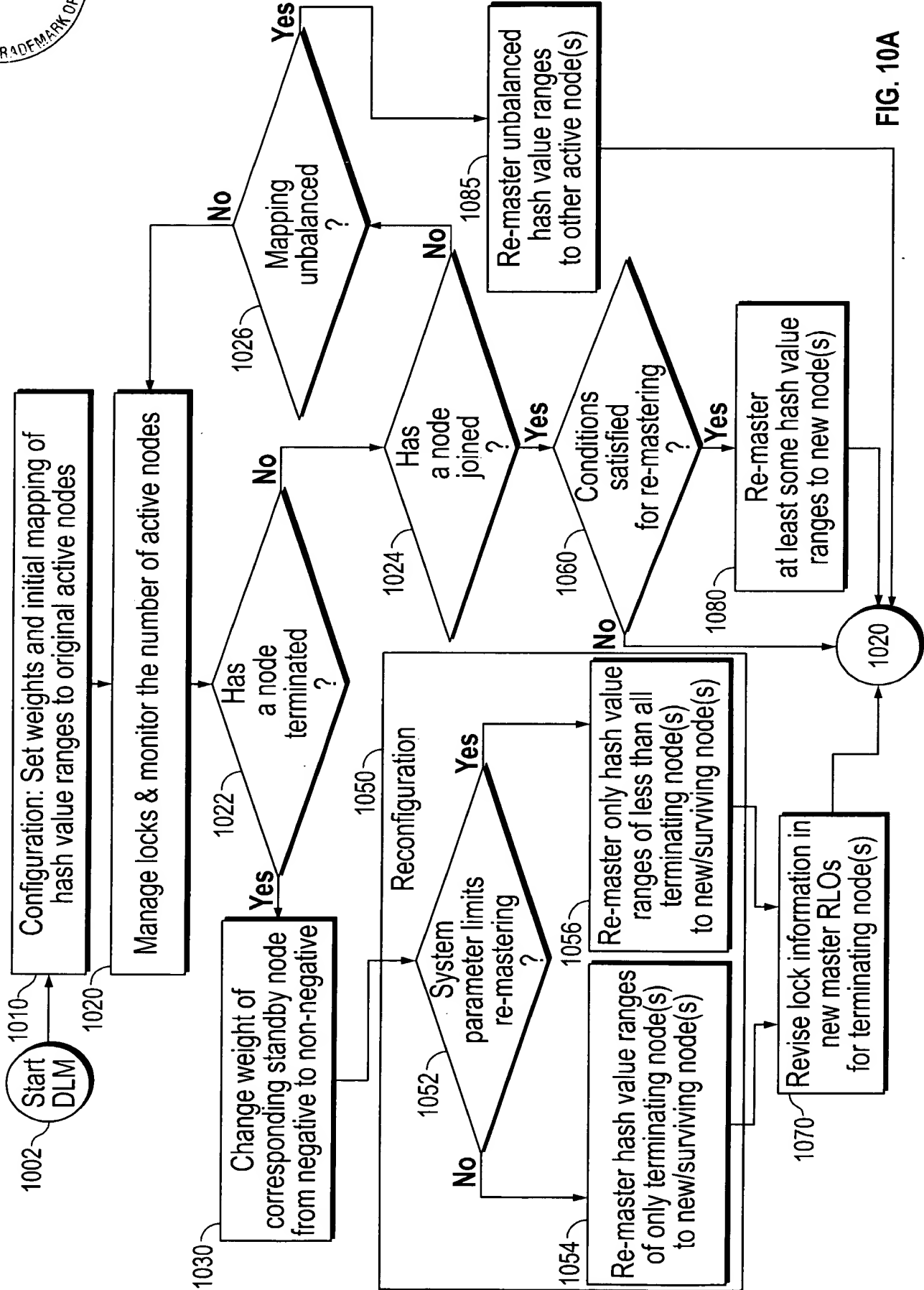


FIG. 10A



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APPROVED C.G. FIG.  
CLASSIFICATION  
BY

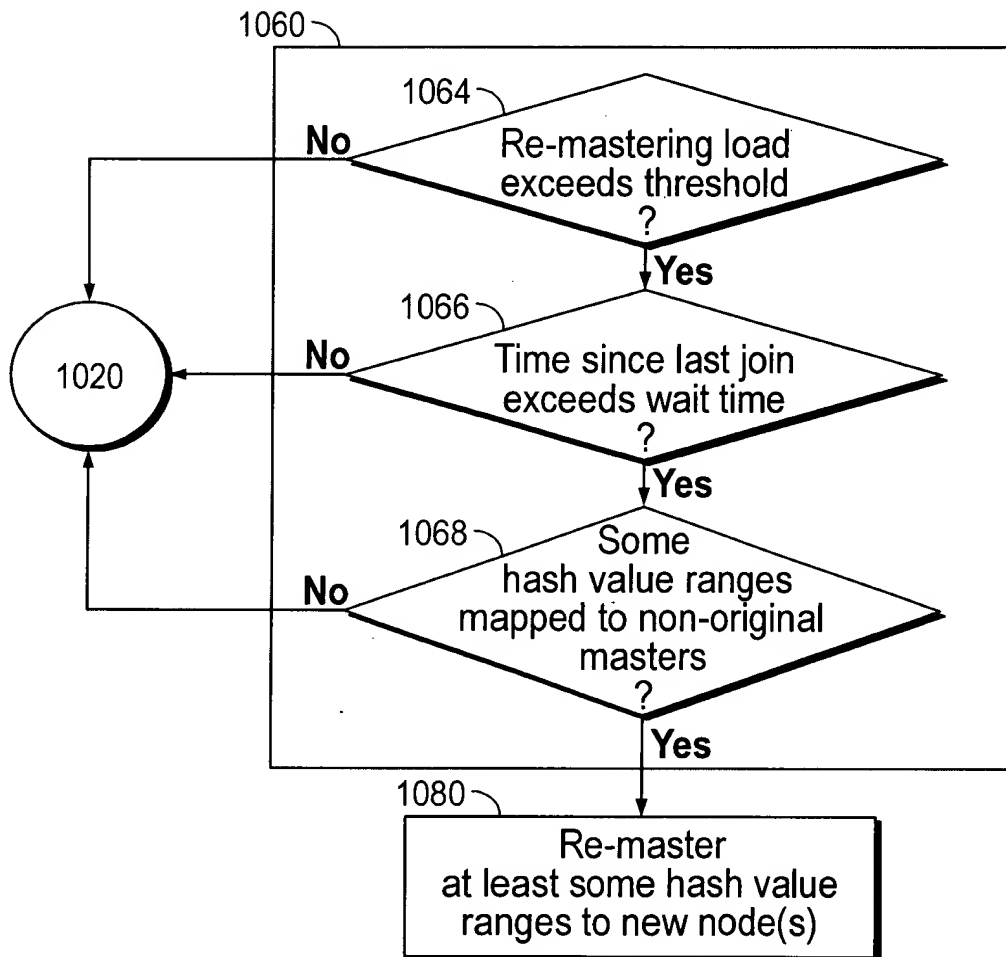


FIG. 10B



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APPROVED C.G. FIG.  
CLASS SUBCLASS

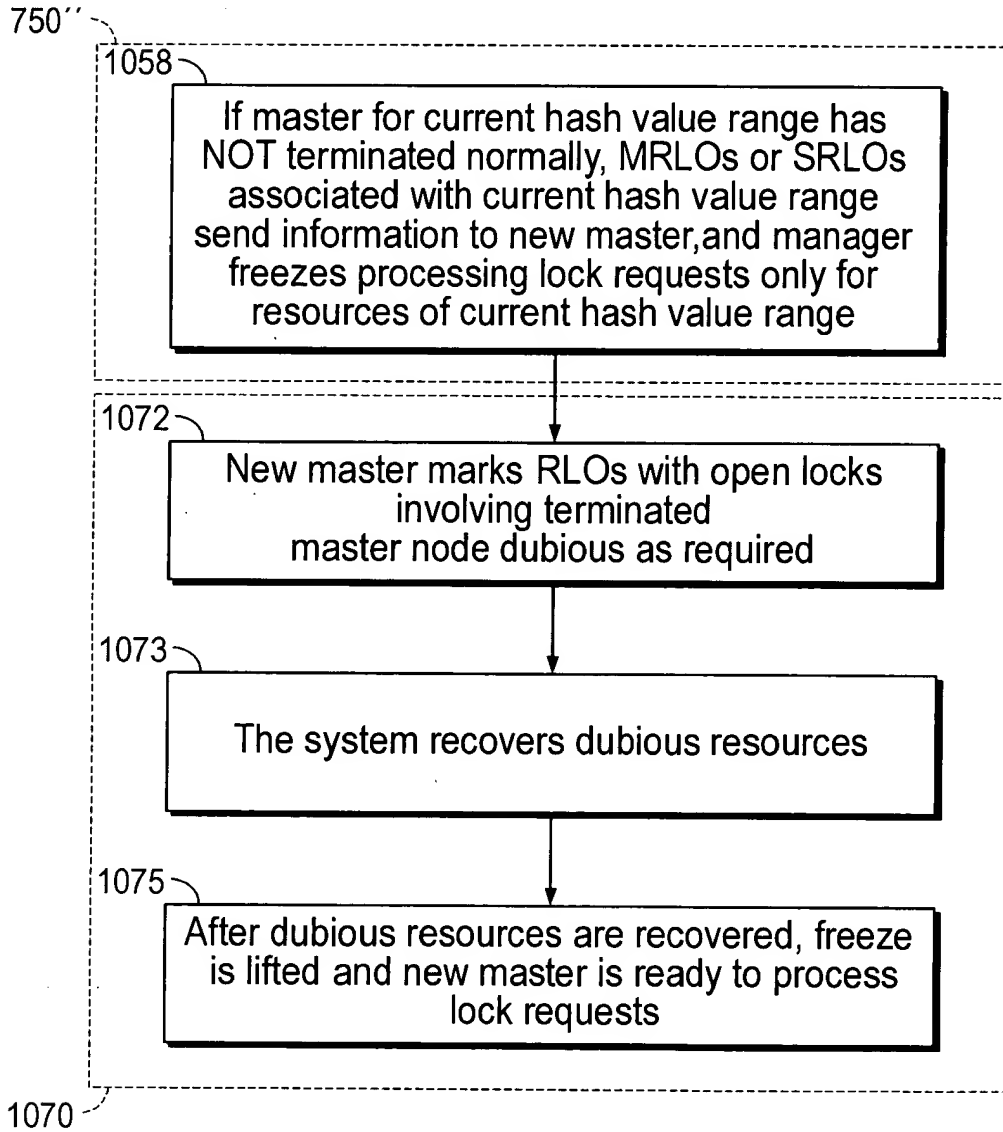


FIG. 10C